DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)

BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175–2474
T (786) 315–2590 F (786) 315–2599

MIAMI-DADE COUNTY, FLORIDA

www.miamidade.gov/pera/

Marvin Windows and Doors Highway 11 West P. O. Box 100 Warroad, MN 56763-0100

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Stormplus IZ4" 10 ft. Outswing Wood French Door - L.M.I.

APPROVAL DOCUMENT: Drawing No. 1452, "Clad 2¼-in. Outswing French Door Stormplus IZ4", sheets 1 through 7 of 7, prepared by W. W. Schaefer Engineering & Consulting, P. A., dated 09/30/2005 and latest revision "C1", dated 02/29/2012, signed and sealed by Warren W. Schaefer, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

LIMITATIONS:

1. Only single fixed panel door is permitted with adhesive PL-400 (OSI) sealant without anchors.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/ series and following statement: "Miami-Dade County Product Control Approved" unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. 11-1019.07 and consists of this page 1, evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by Jaime D. Gascon, P. E.

MIAMI-DADE COUNTY
APPROVED

J'GASCIEN 5/14/12 NOA No. 12-0308.33 Expiration Date: January 05, 2016 Approval Date: May 24, 2012

Page 1

Marvin Windows and Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections. (Submitted under previous NOA's No's. 08-0917.09 and 05-1012.03)
- 2. Drawing No. 1452, "Clad 2¼-in. Outswing French Door Stormplus IZ4", sheets 1 through 8 of 8, prepared by W. W. Schaefer Engineering & Consulting, P. A., dated 09/28/2005 and latest revision "C1", dated 02/29/2012, signed and sealed by Warren W. Schaefer, P. E.

B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202–94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201–94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, Side-Hinged Door Systems, per FBC 2411 3.2.1, TAS 202-94 and per AAMA 1304-02

along with marked-up drawings and installation diagram of outswing wood doors, prepared by Architectural Testing, Inc., Test Report No. **ATI B3488.01–201–18**, dated 01/09/2012, signed and sealed by Shawn G. Collins, P. E.

- 2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202–94
 - 4) Large Missile Impact Test per FBC, TAS 201–94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203–94
 - 6) Forced Entry Test, Side-Hinged Door Systems, per FBC 2411 3.2.1, TAS 202-94 and per AAMA 1304-02

along with the manufacturer's parts drawings, installation diagram and marked-up drawings of outswing wood doors, prepared by Stork Twin City Testing Corp., Test Report No. STCT 113-96398.1, dated 07/18/2008, signed and sealed by Thomas Kolden, P. E.

(Submitted under previous NOA No.08-0917.09)

Jaime D. Gascon, P. E. Product Control Section Supervisor

NOA No. 12-0308.33

Expiration Date: January 05, 2016 Approval Date: May 17, 2012

Marvin Windows and Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (CONTINUED)

- 3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201–94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203–94
 - 6) Forced Entry Test, Side-Hinged Door Systems, per FBC 2411 3.2.1, TAS 202-94 and per AAMA 1304-02

along with marked-up drawings and installation diagram of outswing wood doors, prepared by Architectural Testing, Inc., Test Report No. **ATI 58623.01–210–18**, dated 09/06/2005, signed and sealed by Joseph A. Reed, P. E.

(Submitted under previous NOA No.05-1012.02)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC, prepared by W. W. Schaefer Engineering & Consulting, P. A., dated 06/10/2010, signed and sealed by Warren W. Schaefer, P. E.

(Submitted under previous NOA No. 10-0621.03)

2. Glazing complies with ASTM E1300–98/04

D. OUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 11-0624.02 issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont Sentry Glass® Interlayer" dated 05/26/2010, expiring on 01/14/17.

F. STATEMENTS

1. Statement letter of conformance and compliance with the FBC-2010 and ANSI/AAMA/ NWWDA 101/ I.S. 2-97, dated 10/13/11, signed and sealed by Warren W. Schaefer, P. E.

(Submitted under previous NOA No.11-1019.07)

2. Statement letter of independence and no financial interest, dated 10/13/11, signed and sealed by Warren W. Schaefer, P. E.

(Submitted under previous NOA No.11-1019.07)

Jaime D. Gascon, P. E.

Product Control Section Supervisor NOA No. 12–0308.33

Expiration Date: January 05, 2016 Approval Date: May 17, 2012

Marvin Windows and Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (CONTINUED)

- 3. Laboratory addendum letter for Test Report No. STCT 113-96398.1, issued by Stork Twin City Testing Corp., dated 12/18/08, signed and sealed by Thomas Kolden, P. E. (Submitted under previous NOA No.08-0917.09)
- 4. Laboratory compliance letter for Test Report No. STCT 113-96398.1, issued by Stork Twin City Testing Corp., dated 07/18/08, signed and sealed by Thomas Kolden, P. E.

(Submitted under previous NOA No.08-0917.09)

- 5. Proposal issued by BCCO, dated 03/07/08, signed by Jaime D. Gascon, P. E. (Submitted under previous NOA No.08-0917.09)
- 6. Laboratory compliance letter for Test Report No. ATI 58623.01–210–18 issued by Architectural Testing, Inc., dated 09/06/05, signed and sealed by Joseph A. Reed, P. E.

(Submitted under previous NOA No.05-1012.03)

7. Proposal No. **04–0436** issued by BCCO, dated 10/12/04, signed by Manuel Perez, P. E.

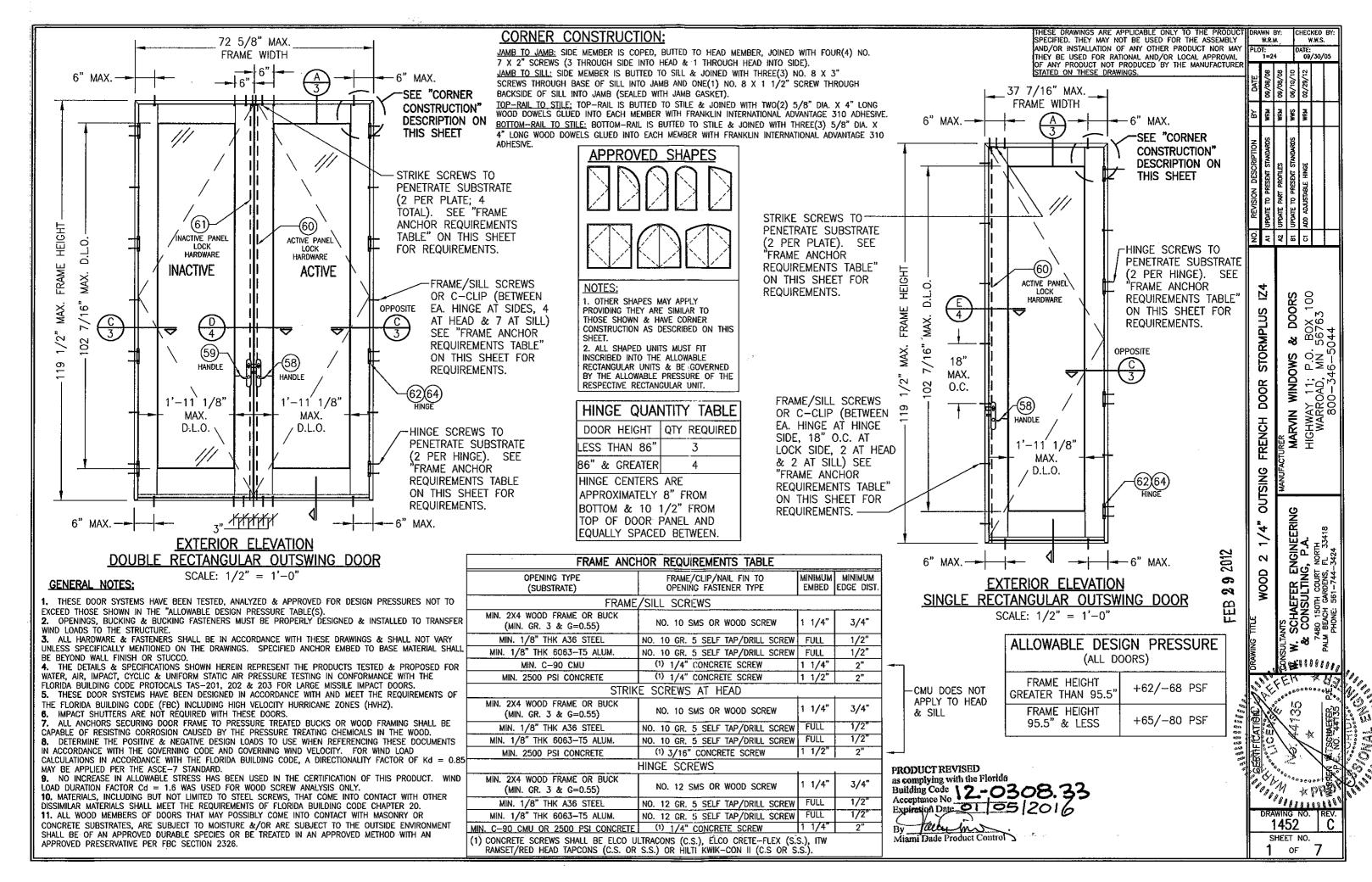
(Submitted under previous NOA No.05-1012.03)

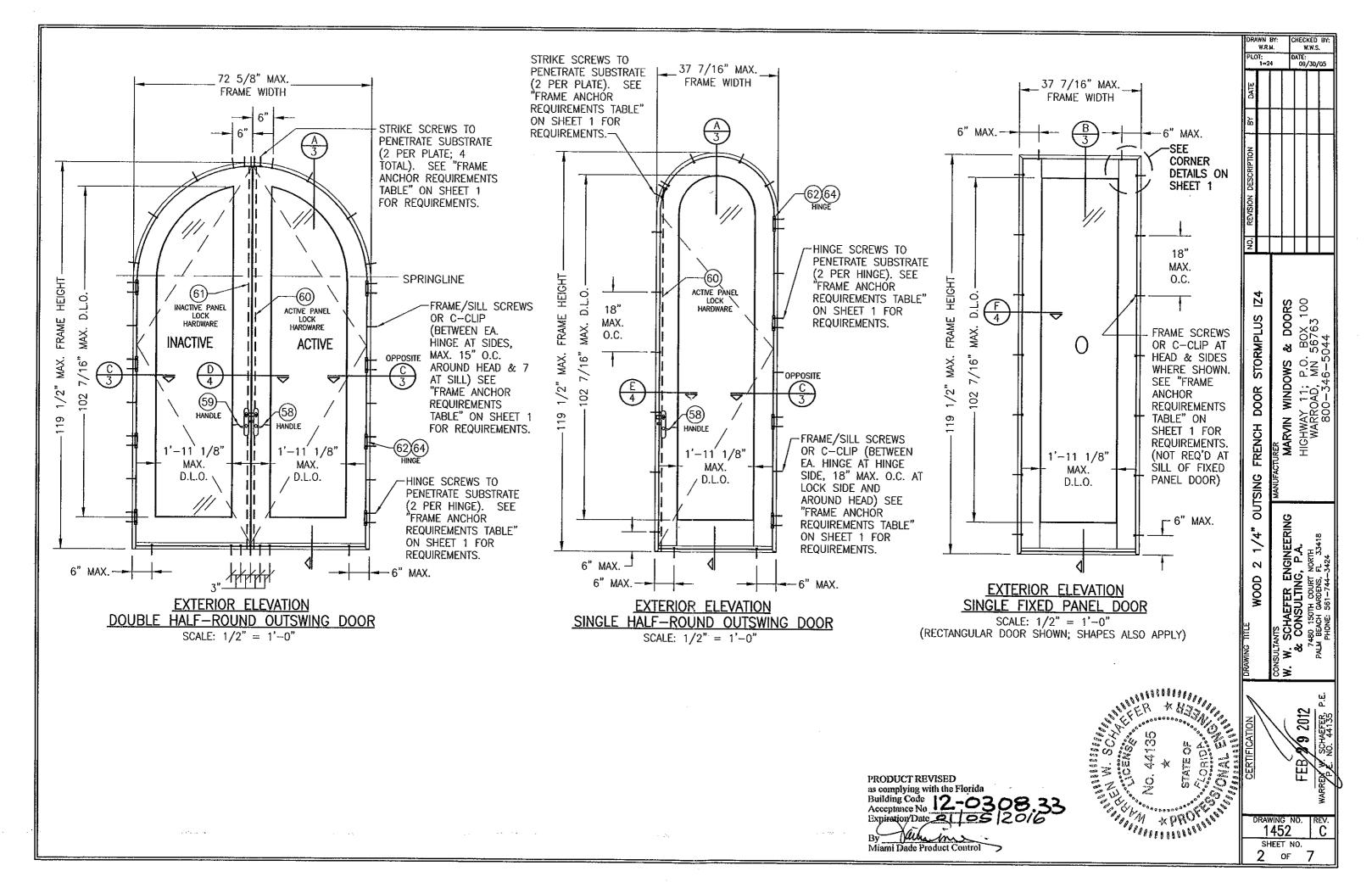
G. OTHERS

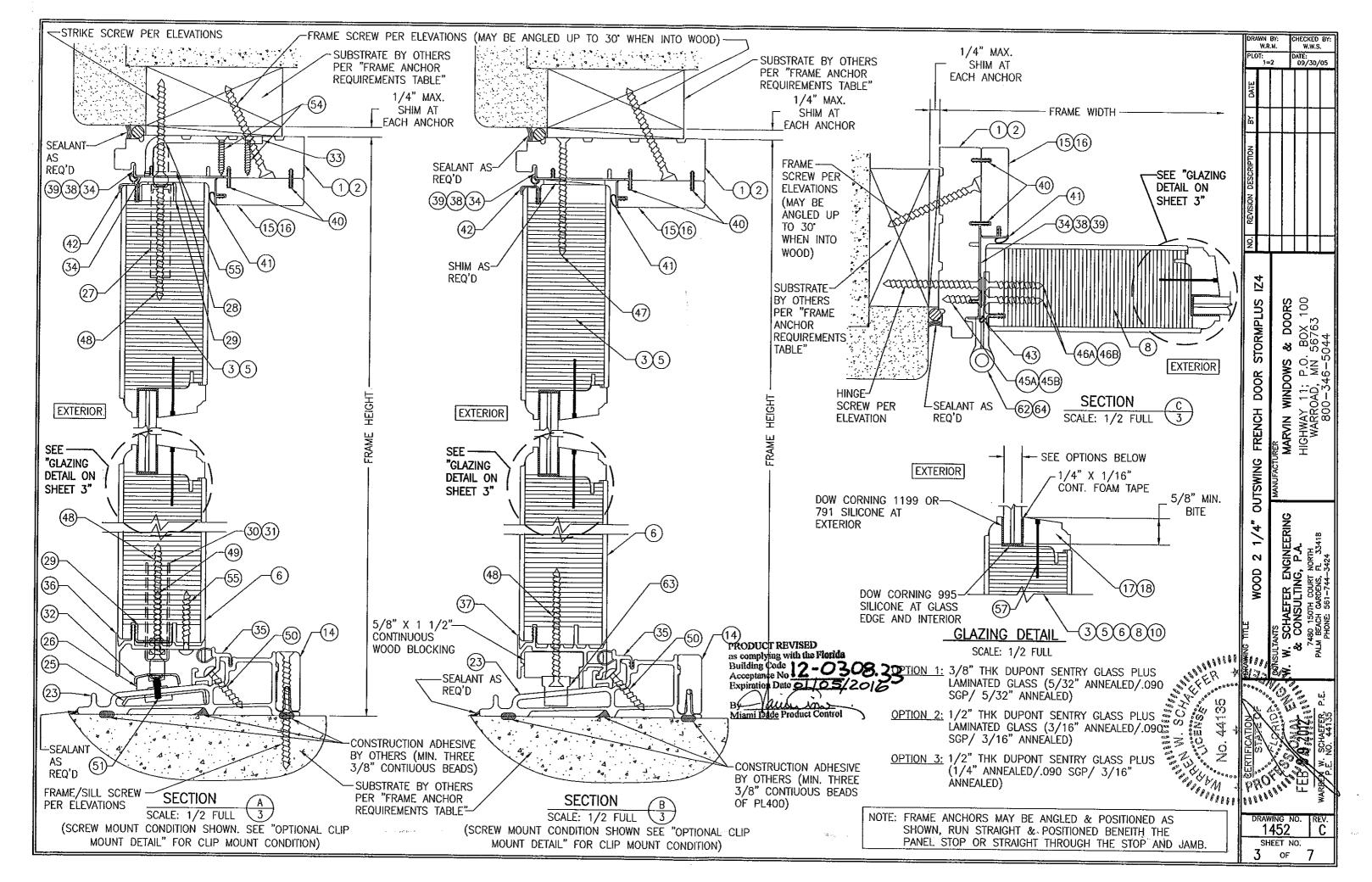
1. Notice of Acceptance No. 11–1019.07, issued to Marvin Windows and Doors for their Series "Stormplus IZ4 10 ft. Aluminum Clad Outswing Wood French Doors – L.M.I.", approved on 11/24/2011 and expiring on 01/05/2016.

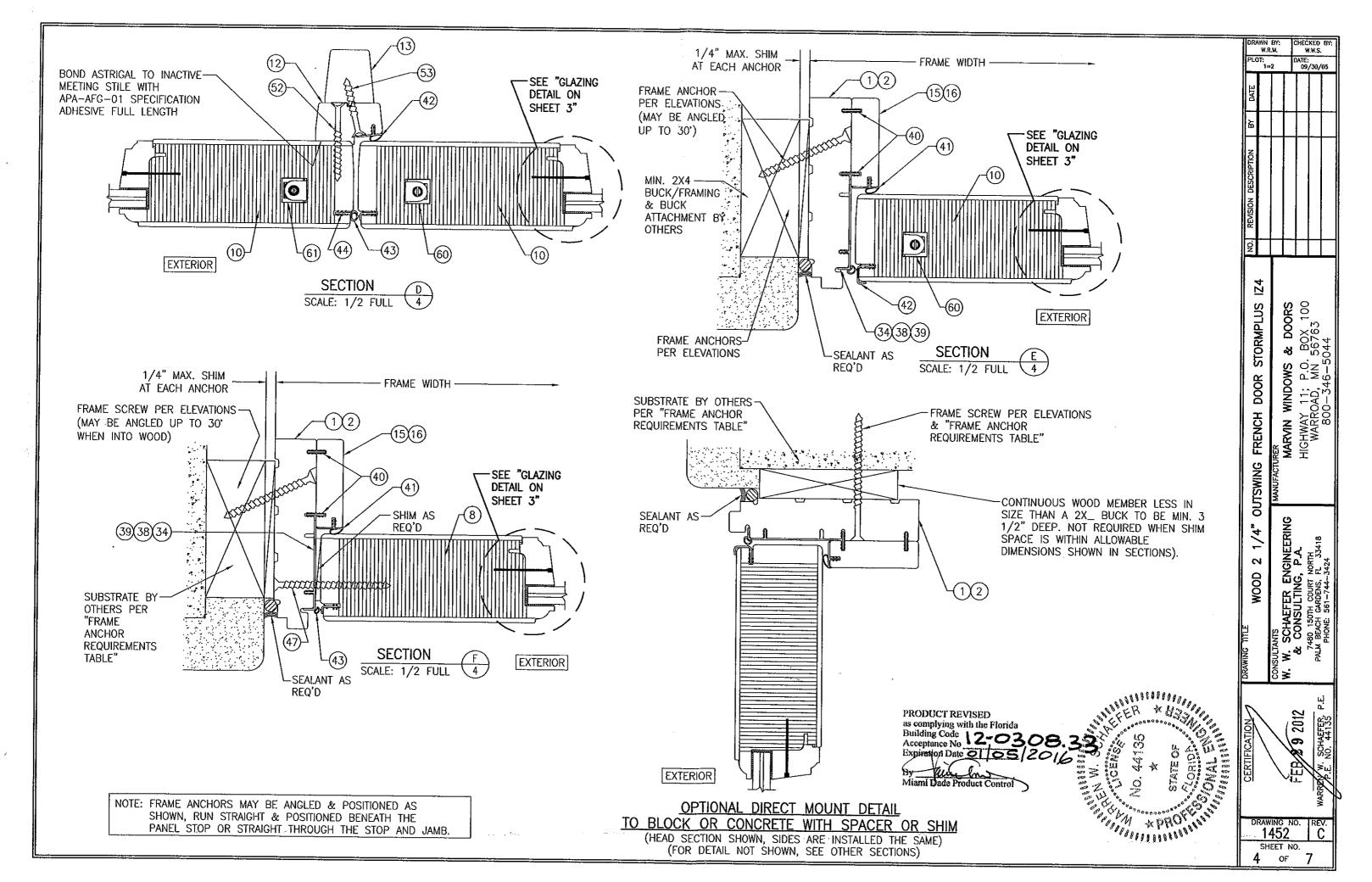
Jaime D. Gascon, P. E. Product Control Section Supervisor NOA No. 12-0308.33

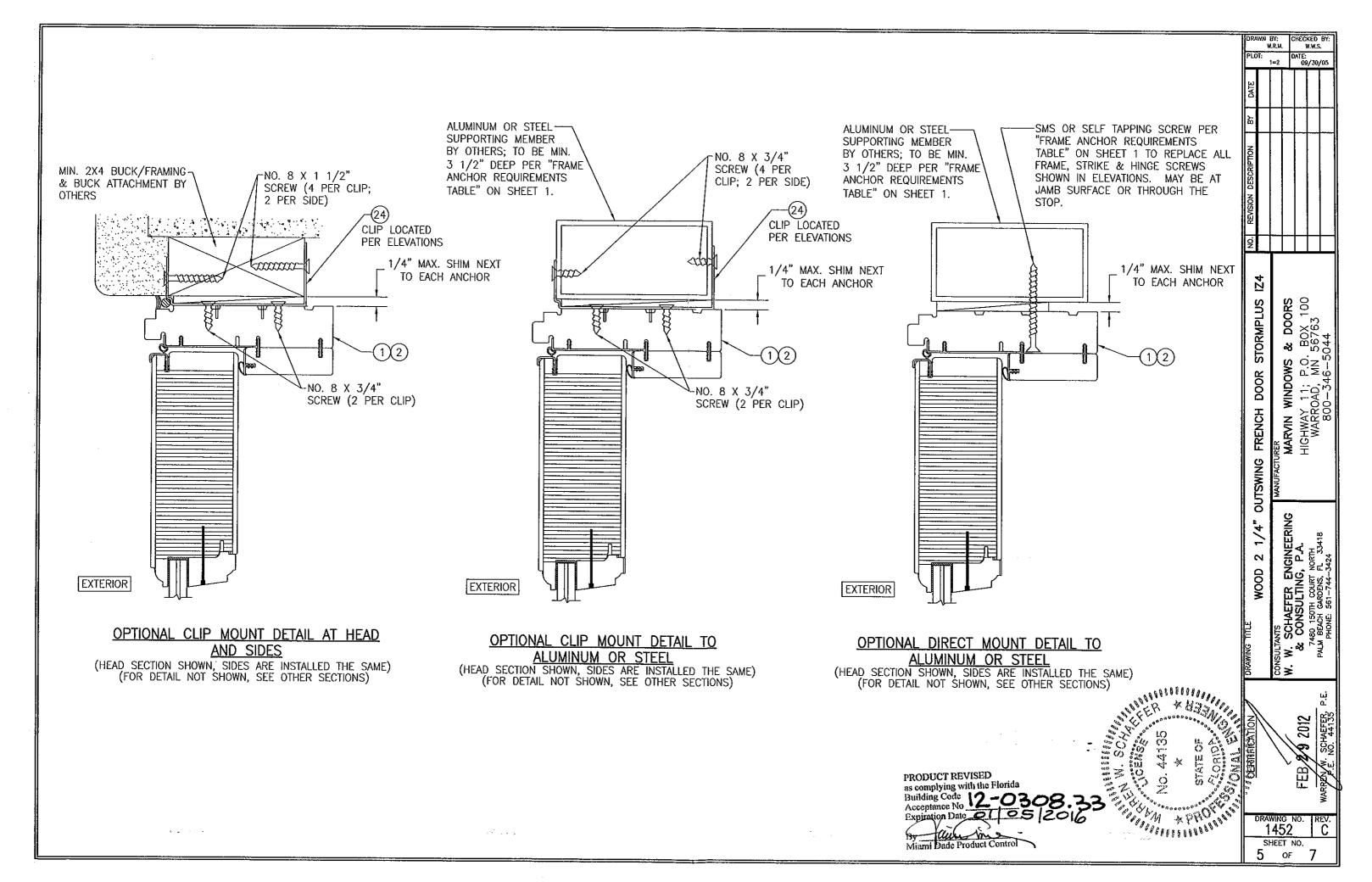
Expiration Date: January 05, 2016 Approval Date: May 17, 2012

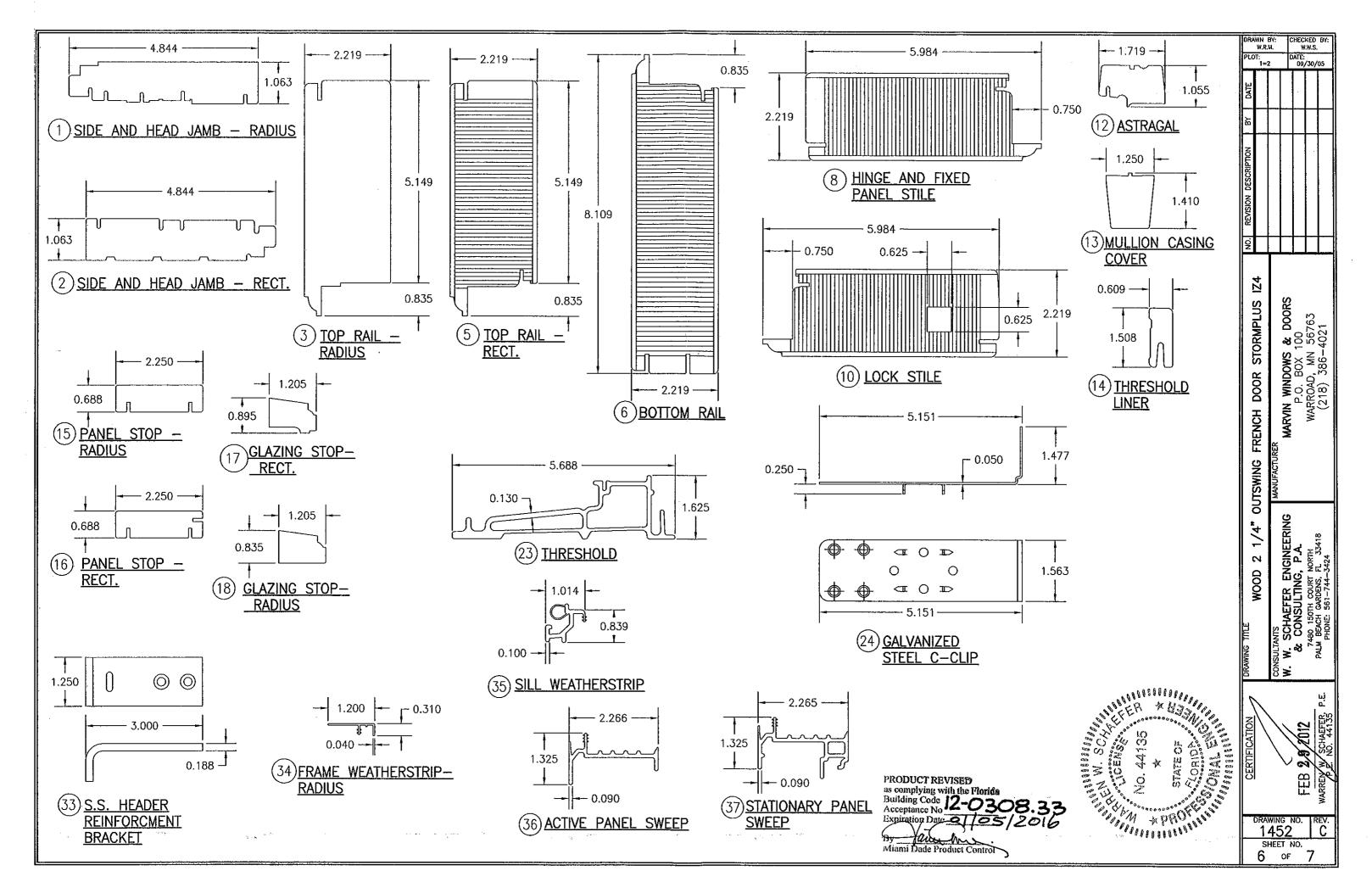












PARTS LIST							PARTS LIST								
NO	REF.		NOTES	INO	REF. N	NO.	· · · · · · · · · · · · · · · · · · ·	DESCRIP		NOTES		PLOT: 1=	.2 D	DATE: 09/30/05	
	1 1121.		RTS & EXTRUSIONS	1:0:		_::1				FASTENERS					
╟┰	0005	3994 SIDE & HEAD JAMB - RADIUS	*WOOD	45A	T -	NO.	12 X 1" S	S/STL S	//S	2 PER BALL BEARING HINGE INTO	JAMB	¥	1 1	111	
1 2		1673 SIDE & HEAD JAMB — RECT.	*WOOD	45B			10 X 1" S			3 PER ADJUSTABLE HINGE INTO JAN				++	
_ ~		3507 TOP RAIL - RADIUS	*WOOD (FINGER JIONTED)	46A			12 X 1 1,			4 PER BALL BEARING HINGE INTO S		ե	'		
1 5		2950 TOP RAIL — RECT.	LVL WITH PINE VENEER	46B			8 X 1 1/:			4 PER ADJUSTABLE HINGE INTO STI	······································	╟╂	++-	 	
<u>c</u>		3711 BOTTOM RAIL	LVL WITH PINE VENEER	47	 		8 X 2 1/2			4" FROM CORNERS & MAX. 12" O.		z	'		
0		2950 HINGE & FIXED PANEL STILE	LVL WITH PINE VENEER	48	 		8 X 3" S/				PANEL); 2 PER SILL BOLT (FIXED PANEL)	Ĕ	$(\mid \mid \mid \mid \mid \mid$	111	
10	_	3069 LOCK STILE	LVL WITH PINE VENEER	49	 _		8 X 1 1/2				WITH ADDITIONAL ONE AT LOCK THROW	Š	1 '	111	
10		6785 ASTRAGAL	*WOOD	50	 -		8 X 1 1/-			2 1/4" FROM ENDS & MAX. 11" (· · · · · · · · · · · · · · · · · · ·	2	1 '		
17		4006 MULLION CASING COVER	*WOOD	51	 -		8 X 5/8"			2 PER THRESHOLD STRIKE		S S	1 1 '	111	
13		1114 THRESHOLD LINER	OAK	52	 _ -		7 X 2" A/		JONEII	3" FROM ENDS & MAX. 12" O.C.		ω W	1 '		
15		4053 PANEL STOP - RADIUS	*WOOD	53	 		8 X 1 1/3			1" FROM ENDS & MAX. 12" O.C.			 	+++	
10	_	2944 PANEL STOP RECT.	*WOOD	54	 		8 X 1" AE			2 PER HEADER REINFORCEMENT PL	ΔTF	ž	ٰلِللّٰإ		
10			*WOOD	55	 -	_	8 X 1 1/2		2/42 172/2	1.5" FROM ENDS & MAX. 8.25" O.			1		
1/		3530 GLAZING STOP — RECT.	*WOOD	56	-		10 X 3" F			2 PER HEAD STRIKE PLATE	o.	124			
18		3496 GLAZING STOP — RADIUS		57	 		/2" BRAD		3	2" FROM ENDS & 6"-8" O.C.			l	_	
23			PAINTED ULTREX (FIBERGLASS WITH MIN. Fy = 39 KSI)	37	ـنــــــــــــــــــــــــــــــــــــ	<u> </u>	/Z DRAU	INAIL		HARDWARE		∥ \	l &	8	
24	100036	6080 GALVANIZED STEEL C-CLIP (FY=50 KSI)	1 1/2" WIDE X 6 1/2" LONG X .050" THK		1000770	oce lact	NE DOOD L	JANDI E		AS REQUIRED TO OPERATE LOCK S	VCTEM	STORMPLUS	8	BOX 100 56763 044	
	0000	7000 C.O. DAGUED DIATE	MAY REPLACE FRAME FASTENERS PER ELEVATIONS.				IVE DOOR H			AS REQUIRED TO OPERATE LOCK S		∥₹		Š% 4	
25		7022 S.S. BACKER PLATE	1 AT EA. SILL STRIKE BELOW SILL; 2.141 X 2.563 X 0.063 THK				CTIVE DOOR				ISILW	₽			
26			1 AT EA. LOCK BAR; 1.07 X 2.82 X 0.3 THK						LOCK HARDWARE				₹	OZ U	
2/		4905 GLASS FILLED NYLON SHOOT BOLT GUIDE	1 AT EA. PANEL (IOP)						T LOCK HARDWA			∥ 8			
28		4621 S.S. HEAD STRIKE PLATE	1 FOR EA. LOCK BAR (HEADER); 2.75 X 1 X 0.0705 THK				X 4.5 BAL	L BEARIN	IG HINGE	HAGER	11	8	MIND	#Q#	
29	_	6910 S.S. STILE END PLATE	1 AT EA. PANEL (TOP AND BOTTOM); 0.933 X 3.547 X 0.063 THK		000112			MOE		ZINC DIE CAST (2 PER FIXED PANE PIVOTTRUE V200 BY ASHLAND HARI		∥ _≖	≥	≻&ç	
30		5312 S.S. SHOOT BOLT GUIDE REINFORCEMENT	1 AT EA. PANEL (BOTTOM)	64	1000735	DZ8 JAUJ	USTABLE HI	INGE		PIVOTIKUE VZUU BI ASHLANU HAKE	WARE SISIEMS (BRASS)	9	₹	¥Υ α	
31		5314 GLASS FILLED NYLON SHOOT BOLT GUIDE	1 AT EA. PANEL (BOTTOM)	<u> </u>	.884 -		1		2.294 -		040"	FRENCH	\ \(\frac{\pi}{2}\)	HIGHWAY 11; WARROAD, 800-34	
32		7702 S.S SILL STRIKE	1 AT EA. LOCK BAR; 0.250 X 2.661 X .048 THK	— ՝			 1	!	2.234		0.0	∥╚	图图	Ī	
33		6364 S.S. HEADER REINFORCEMENT PLATE	1 FOR EA. LOCK BAR (HEADER) 1.500 X 3.000 X .188 THK		1, G=	_	0.583		•	*	(4-3)	≌	ACT		
34		3999 FRAME WEATHERSTRIP - RADIUS	VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)		(38) <u>F</u>	PAME	-		_ 0.040		- - - 0.475"	OUTSWING	Š		
35		3351 SILL WEATHERSTRIP	VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)				IERSTRII	ь (39) <u>FRAME</u>	(40) <u>CONI</u>	NECTING BARB		≨		
36	_	3439 ACTIVE PANEL SWEEP	VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)					<u> </u>		RSTRIP-RECT.	·	∥ਰ		, ;	
37		0176 STATIONARY PANEL SWEEP	VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)		K	ADIU:	<u>5</u>		**LXIIIL	NOTHII NEOT.		4	SE	2,	
38			VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.) VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)	_	Ţ		┌ 0.03	35"	ļ	r-0.040"	┌ ─0.040"	>		A. C-20 33410	
39	0003										~		∀ ≝"		
<u> </u>			ALS AND SEALANTS	().561"		1		0.720"	0.720"	₹ -	II	🖁	8년.	
40			VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)		∮ →	-	0.658	3"	 	<u>-</u>	. ≱│ Ţ	WOOD	I "	ZZZ	
41		,	VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)	_			•		_	 0.471"	0.200"	₹		SULTING, P.A. TIMEY TRAIL; SUITE C-20- SH GARDENS, FL 33410	
42			VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)	(41) WE	EATHE	ERSTRIP	<u> </u>	42) <u>PANE</u> L	COVER (47) DANIEL	<u>WEATHERSTRIP</u>			: Z = U :	
43	1	3513 WEATHERSTRIP	VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)		<u></u>	· · · · · · · · · · · · · · · · ·		- \		ERSTRIP (43) PANEL	WEATLERSTRIE		I _E ₹	. <u>S</u> ₹81	
44		2828 INACTIVE WEATHERSTRIP	VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)						#F-74111L	LINGTINI		<u> </u>	CONSULTANTS W. W. SCH	. a z z	
. <u>NC</u>	<u>)TE:</u> W(OOD USED IN TESTING WAS WESTERN P	INE WITH A SPECIFIC GRAVITY OF $G = 0.43$ AND A					1	1	7 000		N N	≥ وَإِ	88.5	
			000 PSI. OTHER WOOD SPECIES APPLICABLE FOR USE WITH		-		- 0.579	9 <u> </u>		3.000		<u> </u>	8 ≥	<u>:</u>	
			FIC GRAVITY OF 0.43 AND MODULUS OF ELASTICITY OF IS MINIMUM GRADE 2 MILLED BY MARVIN WINDOWS &		_	Ⅎ⅃.		0.7	00 🔘						
		DORS TO SELECT.	13 MINIMINION GRADE 2 WILCELD DI MANTIN MINDOMS &		=		⋗	-				1		д H	
		Solid To General			0.134	_		Ī	r 0.250			1/2/		21 14	
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-			•						Acceptance	de 12-0308.33 Date 01 05 /2016		DR	AWING	NO. REV	
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									iviiami ijade	Product Control	~ n & & & d # p .	<u> </u>	OF		